

HELIAX® FiberFeed® Hybrid Cable with aluminum armor

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	FiberFeed® HELIAX®

General Specifications

Application	Remote radio head
Alarm Wire, quantity	6
Armor Type	Corrugated aluminum
Cable Type	Wireless feeder
Conductors, quantity	16
Construction Type	Armored
Fiber Short Description	RFF – 8AWG
Fiber Type, quantity	24
Fibers per Subunit, quantity	12
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black
Outer Shield (Tape) Material	PE
Strength Members	Glass reinforced plastic rod
Subunit, quantity	2
Total Fiber Count	24
Water Blocking Method	Water blocking tape(s) Water blocking threads

760177162 | HFC-24SM-1608-618-APE

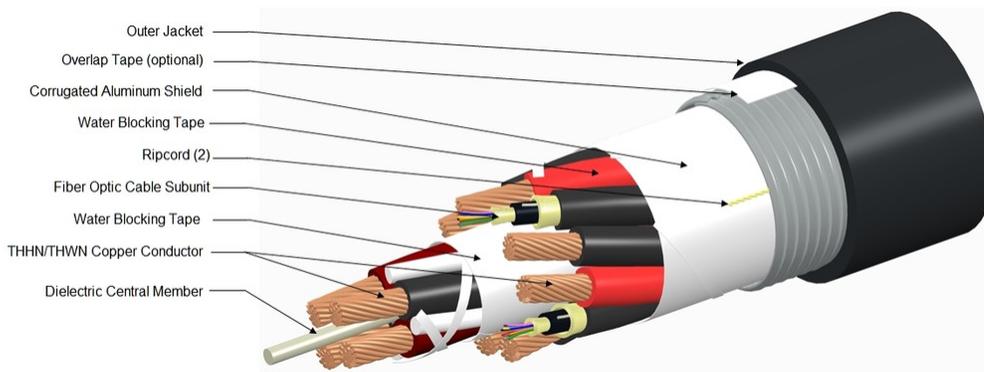
Dimensions

Buffer Tube/Subunit Diameter	5.334 mm 0.21 in
Diameter Over Jacket	32.258 mm 1.27 in
Alarm Wire Gauge	18 AWG
Conductor Gauge	8 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
dc Resistance, maximum	2.146 ohms/km 0.654 ohms/kft

Representative Image



Material Specifications

Ripcord Material	Para-aramid synthetic fiber
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Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	647.7 mm 25.5 in
Minimum Bend Radius, multiple bends, unloaded	322.58 mm 12.7 in
Minimum Bend Radius, single bend, unloaded	226.06 mm 8.9 in
Tensile Load, long term, maximum	1,067.573 N 240 lbf
Tensile Load, short term, maximum	3,558.576 N 800 lbf
Compression	4.5 kg/mm 252 lb/in
Compression Test Method	FOTP-41
Flex Test Method	FOTP-104
Impact	4.34 ft lb 5.884 N-m
Impact Test Method	FOTP-25

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Twist 10 cycles
Twist Test Method FOTP-85

Optical Specifications

Fiber Type G.657.A2/B2 | G.657.A2/B2

Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature -40 °C to +80 °C (-40 °F to +176 °F)
Storage Temperature -40 °C to +80 °C (-40 °F to +176 °F)
Cable Qualification Standards ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409
Environmental Space Wireless installation

Packaging and Weights

Cable weight 1,942.054 kg/km | 1305 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8G-MP	-	Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)
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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable